

ABSTRACT

A mechanical delaying device of a shredder includes characteristics of a cantilever connected with a spindle at frames of blade assemblies, a roller accommodated around an axis shaft below the cantilever, a baffle fastened at a rear end of the axis shaft, a spring disposed between the roller and the baffle, a projecting gear axis disposed at an outer side of a fixing plate of one of the blade assemblies, and gear grooves provided at the gear axis for inserting the roller. When paper is not inserted, the roller presses against the spring and blocks at an outer side of the gear axis. When paper is inserted, paper is pressed downward for driving and rotating the spindle such that the roller is displaced outward and departed from the gear axis. A restoring force of the spring pushes the roller inward and the roller is stretched into the gear grooves of the gear axis. The roller is then pushed to an outermost side of the gear axis along with rotations of the gear axis being driven by an axis of the blade assemblies, thereby accomplishing delaying and halting purposes.